Amendments to the Claims:

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) <u>A gantry of a CT scanner comprising:</u>

<u>a support frame;</u>

<u>an annular drum mounted for rotation with respect to the support frame and having a continuous circumferential bearing surface;</u>

<u>an annular disk extending radially inwardly from the drum for receiving and supporting computed tomography components; and</u>

~~An improved~~ <u>a</u> roller truck ~~for~~ supporting ~~a rotating instrument~~ <u>the</u> drum of ~~a CT scanner, comprising:~~ <u>of the gantry, including,</u>

a <u>substantially flat</u> single spring plate having top and bottom surfaces and unconstrained side edges extending between opposing ends, wherein a length of the plate is not greater than three times a smallest width of the plate;

at least two axles each extending between two ends and secured to one of the bottom and the top surfaces of the spring plate, wherein said side edges of said spring plate are secured to said axles near said ends of said axles;

an attachment member secured to the same surface of the spring plate as the axles and positioned between the two axles and extending substantially parallel with each of the axles, the attachment member ~~for~~ securing the roller truck to ~~one of a~~ <u>the</u> support frame ~~of a CT scanner and an instrument drum mounted for rotation on the support frame~~ <u>of the gantry</u>; and

rollers rotatably mounted on each axle ~~for~~ supporting <u>the bearing surface of the annular drum</u> and allowing the instrument drum to rotate with respect to the support frame of the ~~CT scanner~~ <u>gantry</u>;

wherein the spring plate is free to resiliently bend about the attachment member and is substantially flat such that, when the ~~instrument~~ drum of the ~~CT scanner~~ <u>gantry</u> is rotated ~~during operation of the CT scanner~~, vibration frequencies associated with the rotating

drum are shifted by the roller truck to minimize distortions in reconstructed images produced by ~~the~~ a CT scanner <u>incorporating the gantry</u>.

2. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the attachment member <u>of the roller truck</u> is secured to the bottom surface of the plate.

3. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the axles <u>of the roller truck</u> are secured to the bottom surface of the plate.

4. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the axles are secured to the plate adjacent the opposing ends of the plate.

5. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the axles <u>of the roller truck</u> are equally spaced from the attachment member.

6. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the attachment member <u>of the roller truck</u> is equally spaced from the opposing ends of the plate.

7. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the attachment member <u>of the roller truck</u> is pivotally ~~securable to a gantry of a CT scanner~~ <u>secured to the support frame</u> such that the truck can pivot about a longitudinal axis of the attachment member.

8. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 7, wherein the attachment member is tubular.

9. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, wherein the ~~spring plate is substantially flat~~ <u>gantry includes two of the roller trucks</u>.

10. (currently amended) A ~~roller truck~~ <u>gantry</u> according to claim 1, further comprising resilient tires received on each roller.

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11. (currently amended) A ~~gantry of a~~ CT scanner including ~~at least one roller truck~~ a gantry according to claim 1 and further comprising:

~~a support frame;~~

~~an annular drum mounted for rotation with respect to the support frame and having a continuous circumferential bearing surface; and~~

~~an annular disk extending radially inwardly from the drum for receiving and supporting~~ x-ray computed tomography components <u>operatively mounted on the annular disk of the gantry for rotation therewith</u>;

~~wherein the attachment member of the at least one roller truck is secured to the support frame and the rollers of the roller truck support the bearing surface of the annular drum such that the drum and disk can rotate with respect to the support frame~~.

12. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 11, wherein the ~~attachment member of the at least one roller truck is pivotally secured to the support frame such that the roller truck can pivot about a longitudinal axis of the attachment member~~ <u>gantry includes at least two of the roller trucks</u>.

13. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 11, wherein the support frame is annular and the drum is coaxially received within the support frame.

14. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 13, wherein the circumferential bearing surface of the drum faces radially outwardly and the truck is positioned between the drum and the support.

15. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 13, wherein a space is provided between the drum and the support to allow for thermal expansion of the drum and the disk.

16. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 11, wherein the spring plate of the truck is ~~substantially flat~~ <u>made from aluminum</u>.

17. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 11, wherein the at least one roller truck comprises two roller trucks positioned so that the trucks are equally spaced on opposite sides of a vertical center line of the drum.

18. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 11, further comprising a motor operatively connected to the roller truck for rotating the drum.

19. (currently amended) A ~~gantry~~ <u>CT scanner</u> according to claim 11, further comprising resilient tires received on each roller of the truck.

20. (currently amended) A CT scanner ~~including a gantry~~ according to claim 11, and further comprising <u>additional</u> x-ray tomography components operatively mounted on the ~~annular disk of the gantry for rotation therewith~~ <u>support frame</u>.